## WHAT IS CLAIMED IS:

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1. An image forming apparatus comprising: a processing unit processing image data; an interface unit between a graphics port and a peripheral device interconnection port;

a print engine connected to the peripheral device interconnection port; and

a first memory provided on a side of the processing unit with respect to the graphics port,

wherein the processing unit stores the image data in the first memory, and transfers the image data stored in the first memory to the print engine directly through the graphics port, the interface unit and the peripheral device interconnection port.

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2. The image forming apparatus as claimed in claim 1, further comprising a second memory connected to the interface unit so that the second memory is

connected to the first memory via the graphics port, wherein the processing unit transfers the image data from the first memory to the second memory through the graphics port so as to transfer the image data from the second memory to the print engine through the peripheral device interconnection port.

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3. The image forming apparatus as claimed in claim 2, further comprising a compressor connected between the graphics port and the second memory and a decompressor connected to said second memory, wherein the compressor compresses the image data transferred from the first memory to the second memory so as to store the compressed image data in the second memory, and the decompressor decompresses the compressed image data and stores the decompressed image data in the second memory so as to transfer the decompressed image data from the second memory to the print engine through the peripheral device interconnection port.

The image forming apparatus as claimed in claim 1, further comprising a decompressor connected between the graphics port and the peripheral device interconnection port, wherein the processing unit compresses the image data by using a software and stores the compressed image data in the first memory, and the decompressor decompresses the compressed image data transferred from the first memory to the print engine.

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The image forming apparatus as claimed in 5. claim 2, further comprising a decompressor connected 15 between the second memory and the peripheral device interconnection port, wherein the processing unit compresses the image data by using a software and stores the compressed image data in the first memory, and the decompressor decompresses the compressed image data stored in the second memory and sends the decompressed image data to the print engine through the peripheral device interconnection port.

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6. The image forming apparatus as claimed in claim 1, further comprising a decompressor connected the second memory, wherein the processing unit compresses the image data by using a software and stores the compressed image data in the first memory, and the decompressor decompresses the compressed image data stored in the second memory and stores the decompressed image data in the second memory so that the decompressed image data is transferred from the second memory to the print engine though the peripheral device interconnection port.

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7 A method of transferring image data to a print engine through a peripheral device interconnection port, the method comprising the steps of:

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storing the image data in a first memory;
transferring the image data from the first
memory to an interface unit through a graphics port; and
transferring the image data from the interface
unit to the print engine through the peripheral device
interconnection port.

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8. The method as claimed in claim 7, further comprising the steps of:

transferring the image data from the first

memory to a second memory through the graphics port; and

transferring the image data from the second

memory to the print engine through the peripheral device
interconnection port.

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9. The method as claimed in claim 8, further comprising the steps of:

compressing the image data transferred from the first memory to the second memory;

storing the compressed image data in the second memory;

decompressing the compressed image data stored in the second memory;

storing the decompressed image data in the second memory; and

transferring the decompressed image data from the second memory to the print engine through the peripheral device interconnection port.

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10. The method as claimed in claim 7, further comprising the steps of:

compressing the image data and storing the compressed image data in the first memory;

decompressing the compressed image data transferred from the first memory after passing through the graphics port; and

transferring the decompressed image data to the print engine through the peripheral device

10 interconnection port.

11. The method as claimed in claim 8, further 15 comprising the steps of:

compressing the image data and storing the compressed image data in the first memory;

transferring the compressed image data from the first memory to the second memory through the graphics port;

decompressing the compressed image data stored in the second memory; and

transferring the decompressed image to the print engine through the peripheral device interconnection port.

12. The method as claimed in claim 8, further comprising the steps of:

compressing the image data and storing the compressed image data in the first memory;

transferring the compressed image data from the first memory to the second memory through the graphics port;

decompressing the compressed image data stored in the second memory;

storing the decompressed image data in the second memory; and

transferring the decompressed image data from the second memory to the print engine through the peripheral device interconnection port.

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